

## **CLAIMS**

1. A telecommunication connector comprising:

5           an electrically insulative housing, said housing having a front receiving hole a top locating block, a plurality of bottom spring hooks, and a rear extension board;

          a circuit board mounted in said housing, said circuit board having a  
10   plurality of communication terminals arranged at a front part thereof and suspended in the front receiving hole of said housing, and a plurality of connection terminals fixed to a rear part thereof;

          a wire block mounted on said circuit board and holding down the bare  
15   wires of a twisted pair 8-wire communication line in contact with said connection terminals respectively, said wire block having two locating walls, said locating walls each comprising a plurality of partition plates defining a plurality of downwardly extended slots and a plurality of terminal grooves in communication with the downwardly extended slots for receiving said  
20   connection terminals;

          wherein:

          said terminal block comprises a wire holes defined between said two  
25   locating walls, a guide plate connected between said locating walls and sloping

forwardly downwards and forms a guide space; the bare wires of said twisted pair 8-wire communication line are inserted into the wire hole of said terminal block, keeping bare wires extended out of said guide space at distance and also keeping the front edge of an outer insulative covering of said twisted pair 8-wire communication line stopped against front sides of said locating wall, for  
5 enabling the two bare wires of each twisted pair of said twisted pair 8-wire communication line to be separated and respectively inserted into the terminal grooves of said wire block, and then the part of the bare wires that projected out of the respective terminal grooves to be cut off.

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2. The telecommunication connector as claimed in claim 1, wherein said rear extension board of said housing comprises two pairs of pivot holes symmetrically bilaterally disposed at a bottom side thereof for the mounting of said movable covers; said movable covers each comprise a side wall, two pivot  
15 rods respectively extended from said side wall and respectively pivoted to the pivot holes of said rear extension board of said housing for enabling said movable covers to be turned relative to said rear extension board of said housing between a close position and an open position, a pressure block formed integral with said top wall and adapted to press on said wire block and to further hold  
20 down the bare wires of said 8-wire communication line at said connection terminals when said movable covers turned to said close position, a retaining hole and a retaining block located on said top wall for enabling said movable cover to be engaged with each other when turned to said close position, and a back wall extended from said side wall for covering said rear extension board of  
25 said housing and said circuit board at a rear side.

3. The telecommunication connector as claimed in claim 1, wherein said rear extension board of said housing has a locating hole mounted with a clamping member to secure said circuit board, said clamping member having a bottom hook hooked in the locating hole of said rear extension board, a lower retaining hole, which receives a rear side of said rear extension board, and an upper retaining hole, which receives the middle part of a rear side of said circuit board.

4. A telecommunication connector comprising:

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an electrically insulative housing, said housing having a front receiving hole a top locating block, a plurality of bottom spring hooks, and a rear extension board;

15 a circuit board mounted in said housing, said circuit board having a plurality of communication terminals arranged at a front part thereof and suspended in the front receiving hole of said housing, and a plurality of connection terminals soldered to a rear part thereof;

20 a wire block mounted on said circuit board and holding down the bare wires of a twisted pair 8-wire communication line in contact with said connection terminals respectively, said wire block having two locating walls, said locating walls each comprising a plurality of partition plates defining a plurality of downwardly extended slots and a plurality of terminal grooves in  
25 communication with the downwardly extended slots for receiving said

connection terminals;

wherein:

5           said terminal block comprises a wire holes defined between said two locating walls, a guide plate connected between said locating walls and sloping forwardly downwards and separating said wire hole into a front guide space and a rear guide space; the bare wires of said twisted pair 8-wire communication line are inserted into the wire hole of said terminal block, keeping four bare wires  
10   extended out of said front guide space at distance and the other four bare wires extended out of said rear guide space at a distance and also keeping the front edge of an outer insulative covering of said twisted pair 8-wire communication line stopped against front sides of said locating wall, for enabling the two bare wires of each twisted pair of said twisted pair 8-wire communication line to be  
15   separated and respectively inserted into the terminal grooves of said wire block, and then the part of the bare wires that projected out of the respective terminal grooves to be cut off;

          said connection terminals are obliquely aligned at said circuit board in  
20   a staggered manner, increasing the space between each two adjacent connection terminals to prevent the interference of cross-talk.